

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

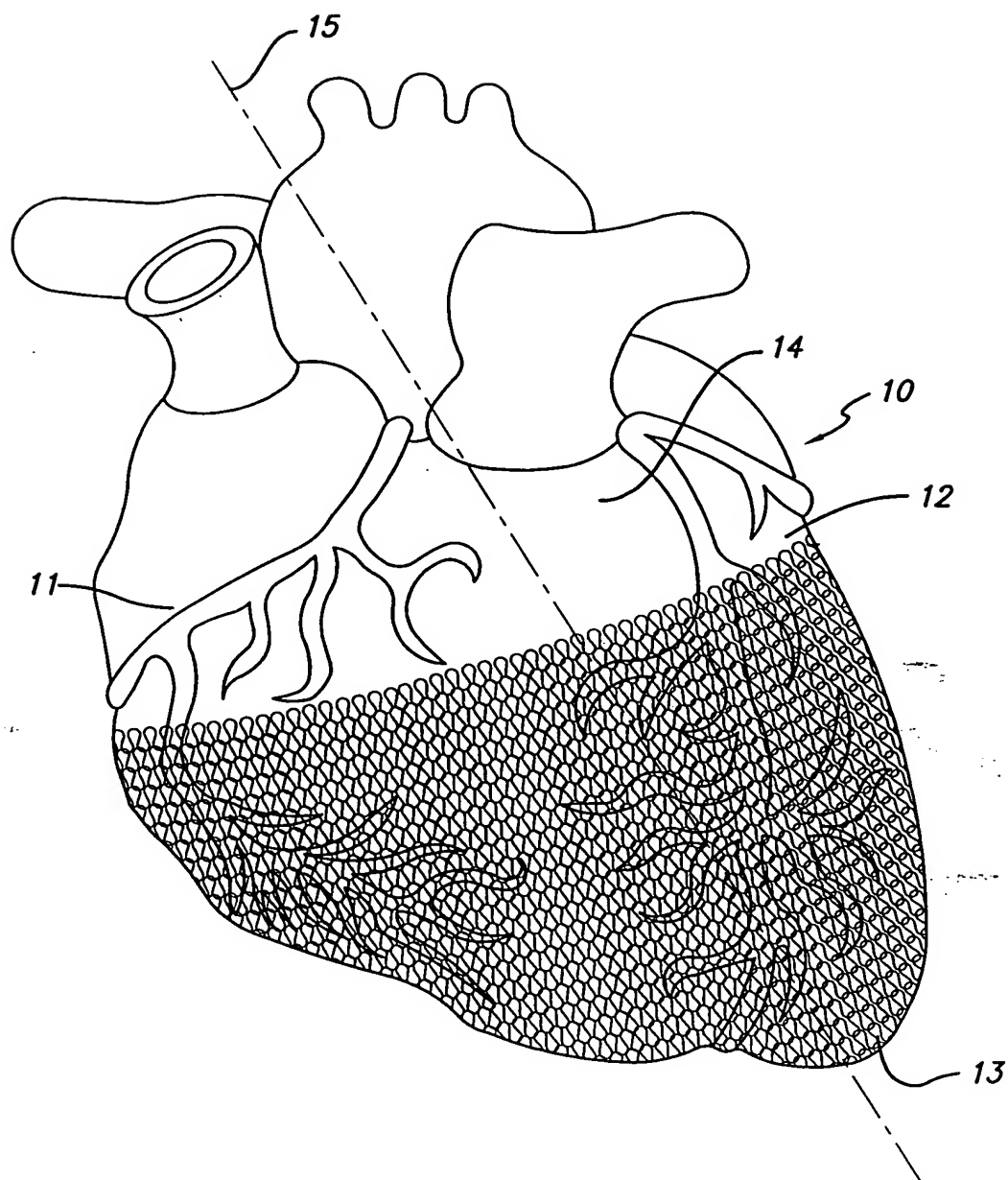
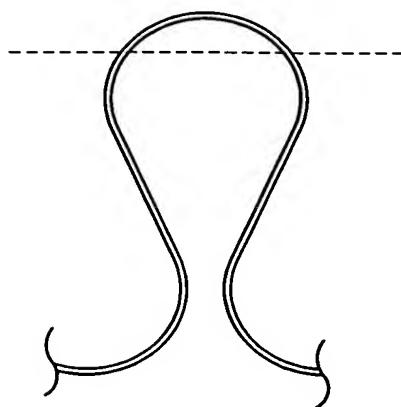
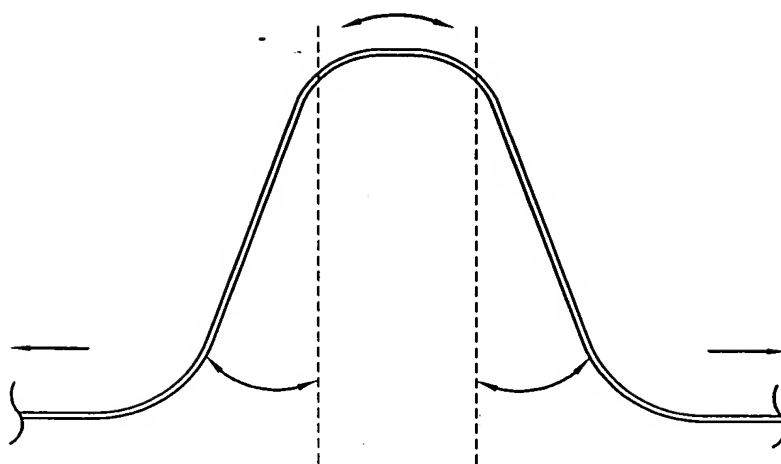


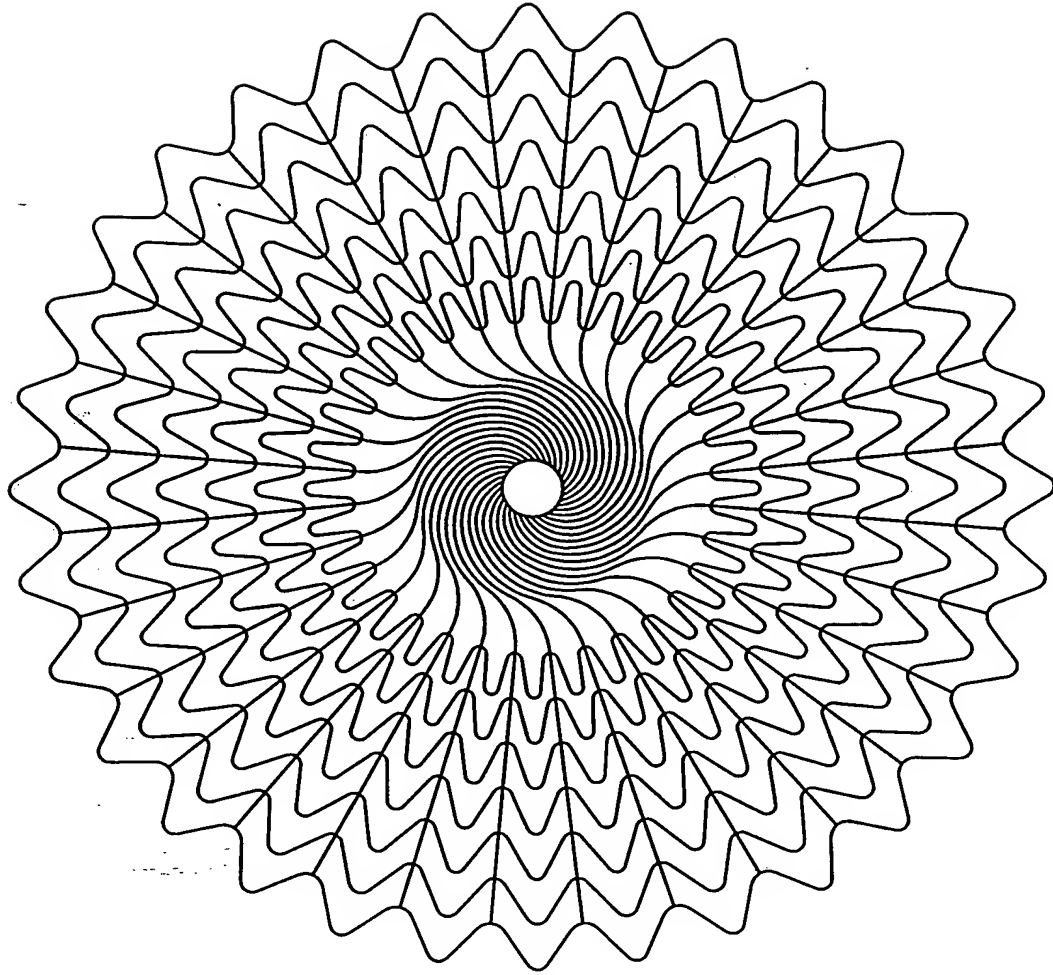
FIG. 1  
PRIOR ART



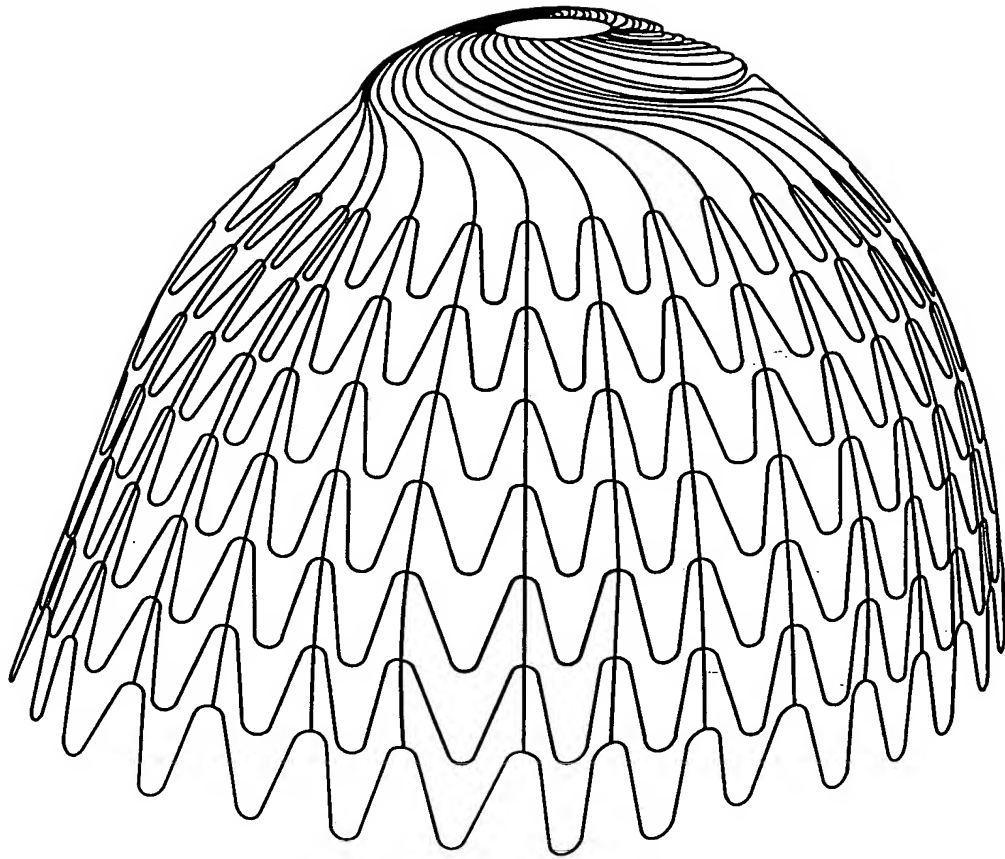
*FIG. 2A*  
*PRIOR ART*



*FIG. 2B*  
*PRIOR ART*



*FIG. 3*  
*PRIOR ART*



*FIG. 4*  
*PRIOR ART*

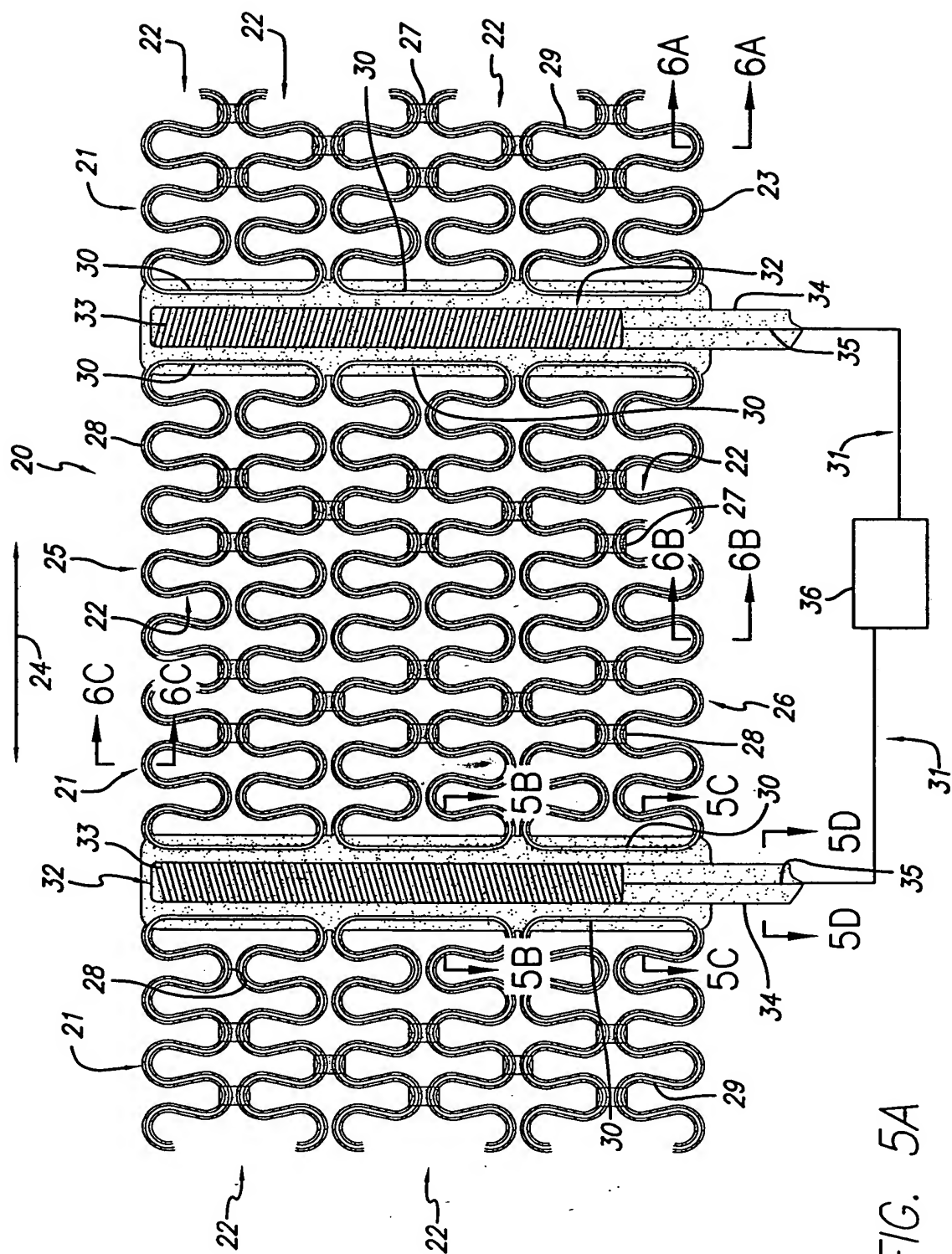


FIG. 5A

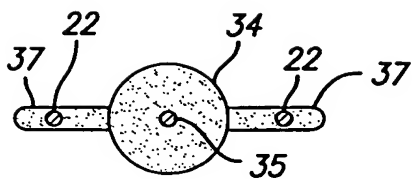


FIG. 5C

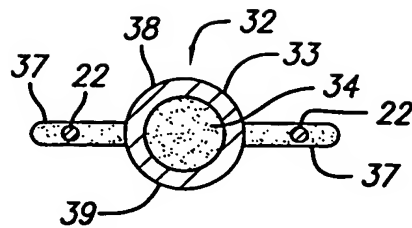


FIG. 5B

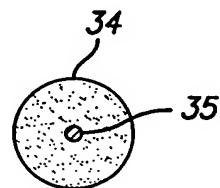


FIG. 5D

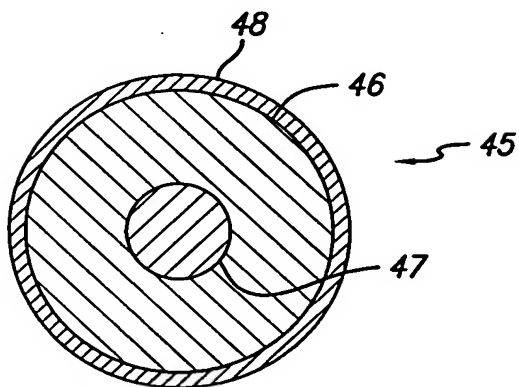


FIG. 6A

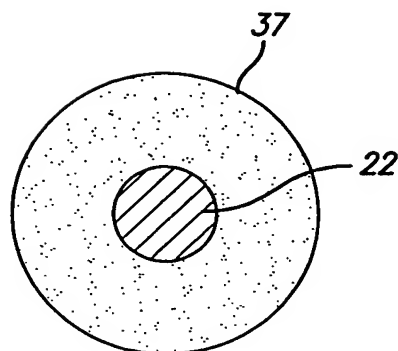


FIG. 6B

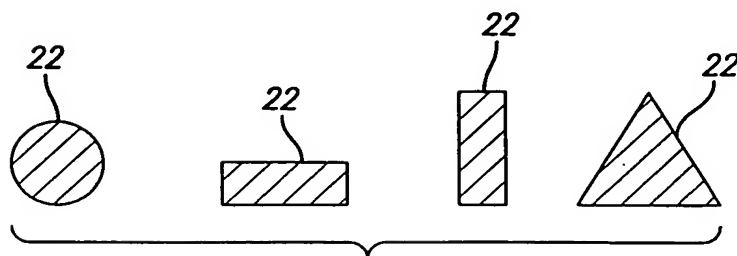


FIG. 6C

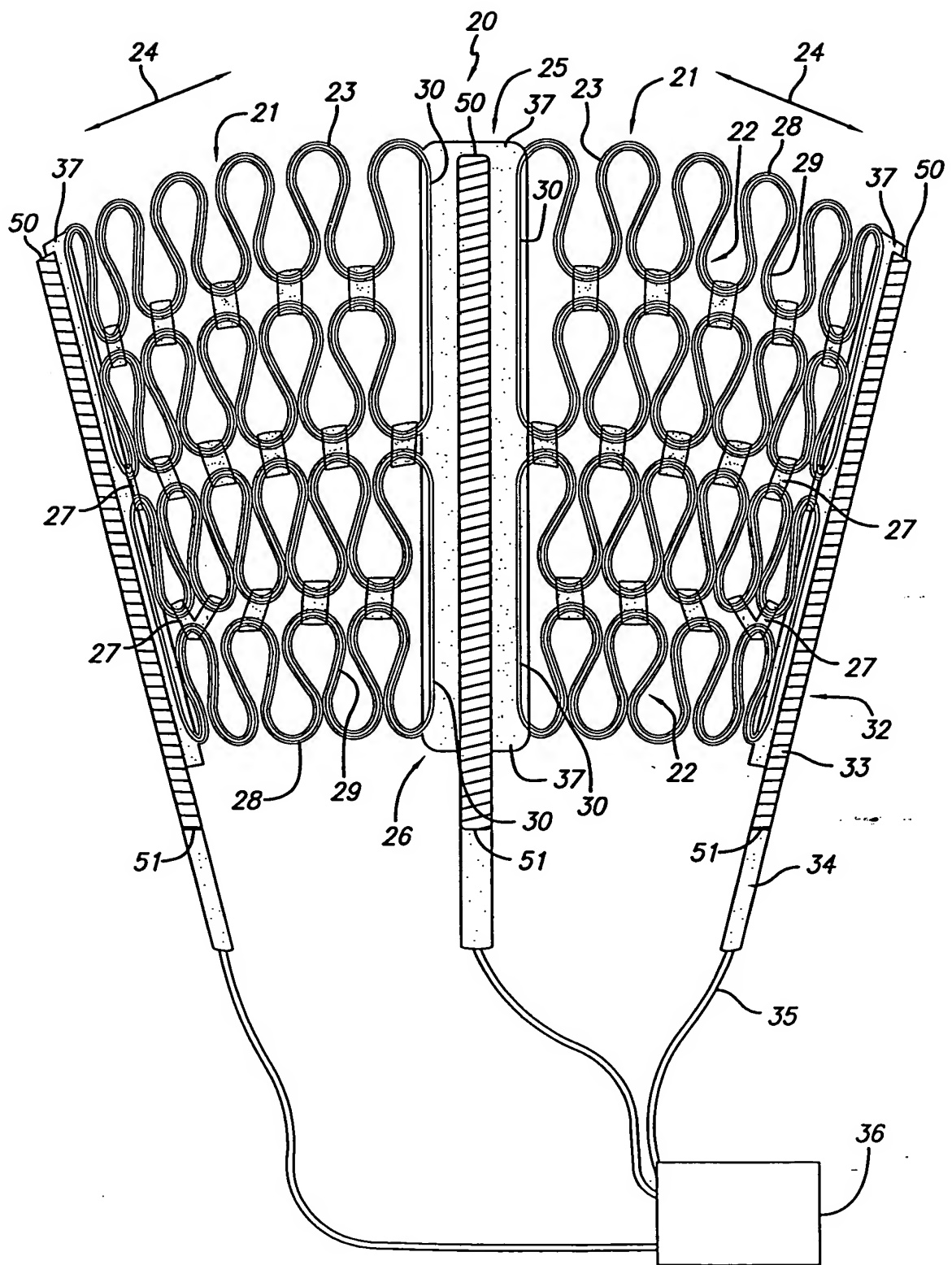
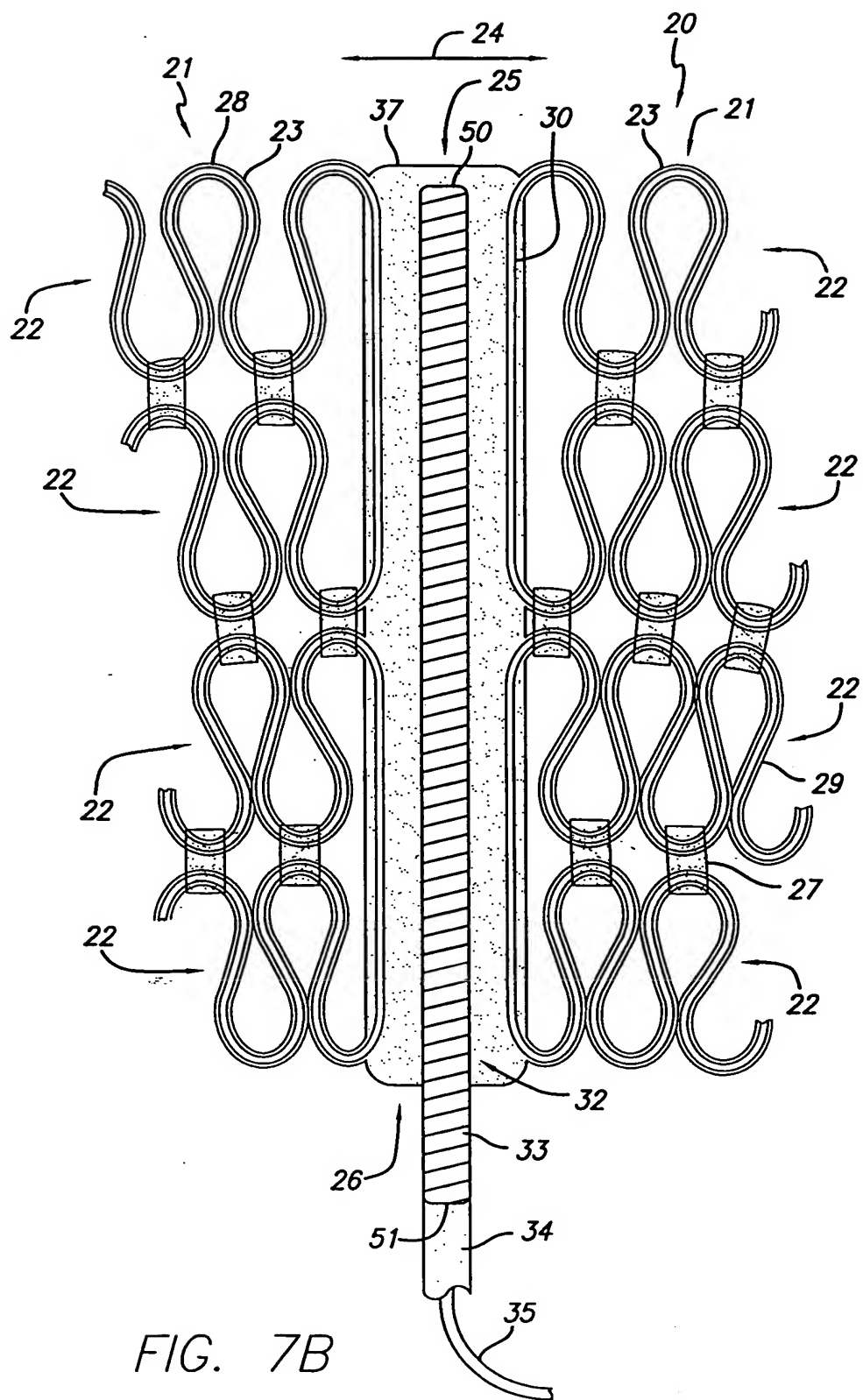
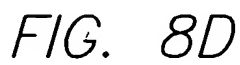
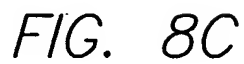


FIG. 7A







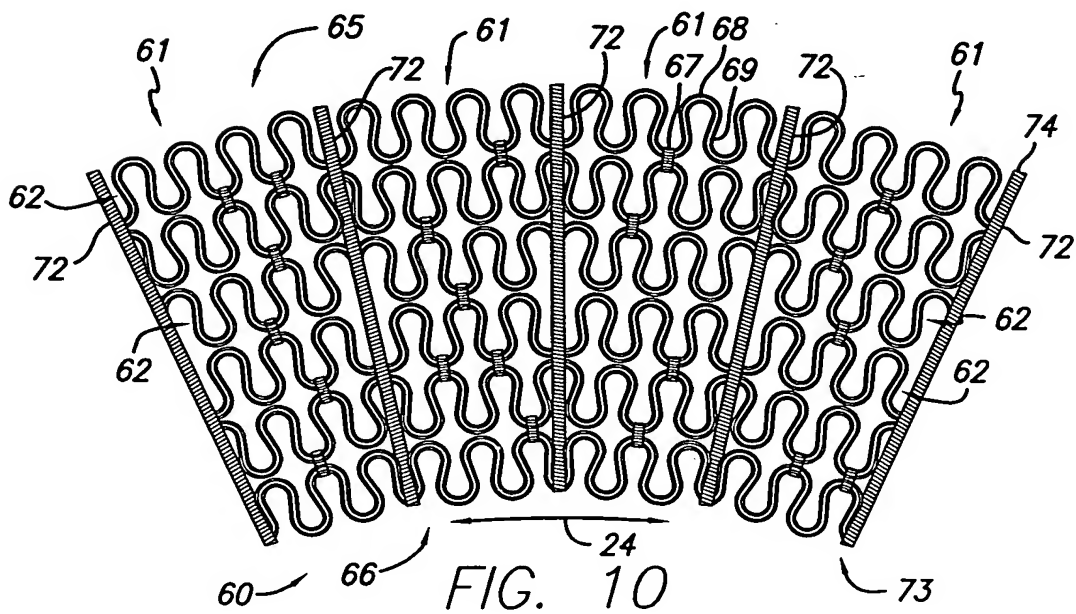
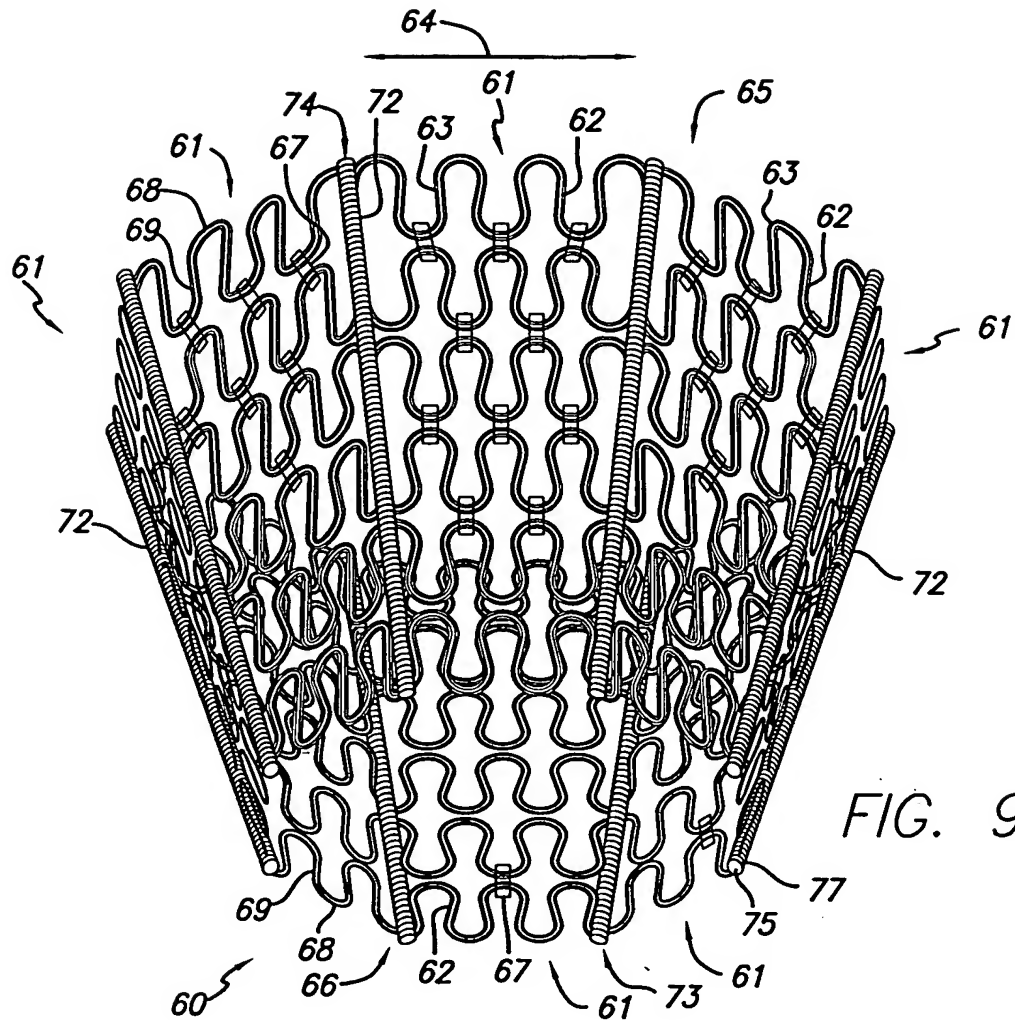


FIG. 11

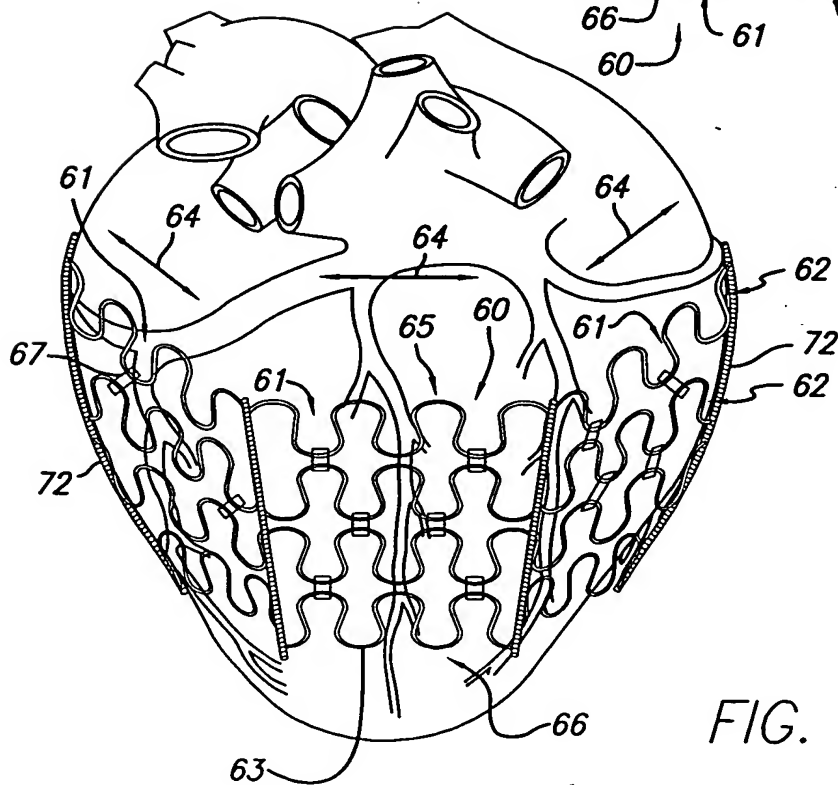
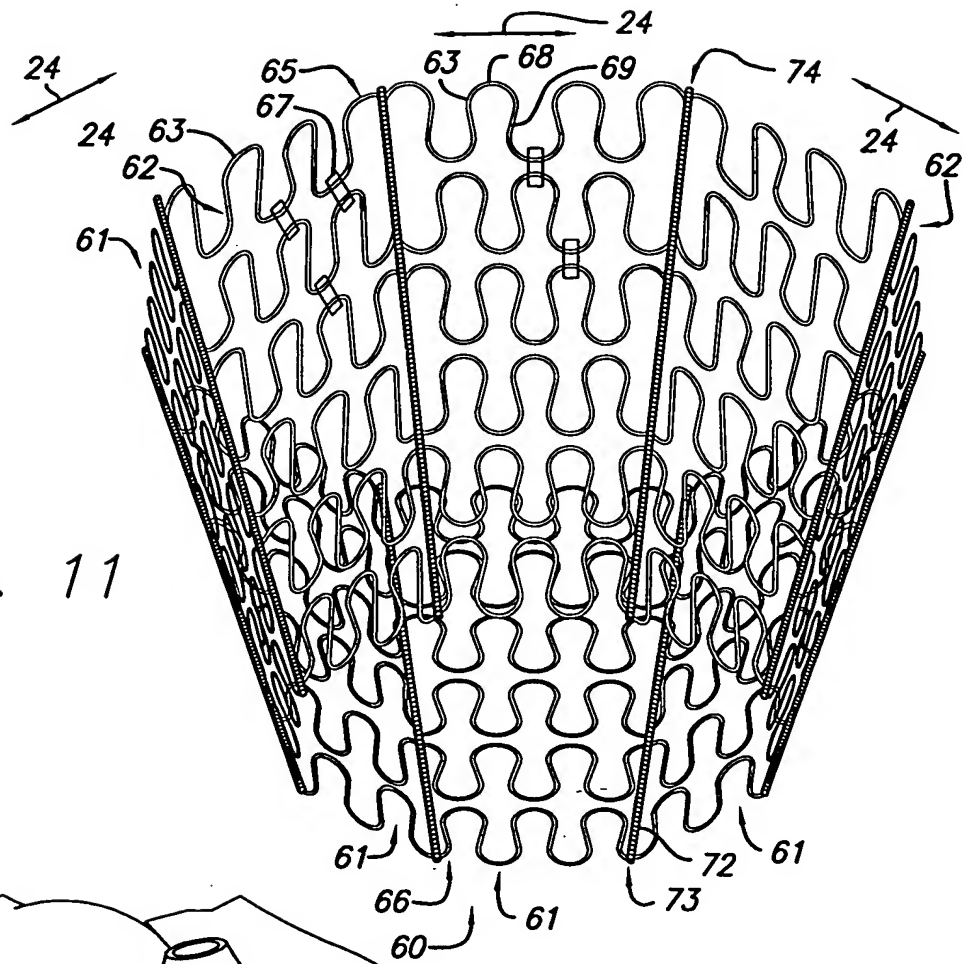
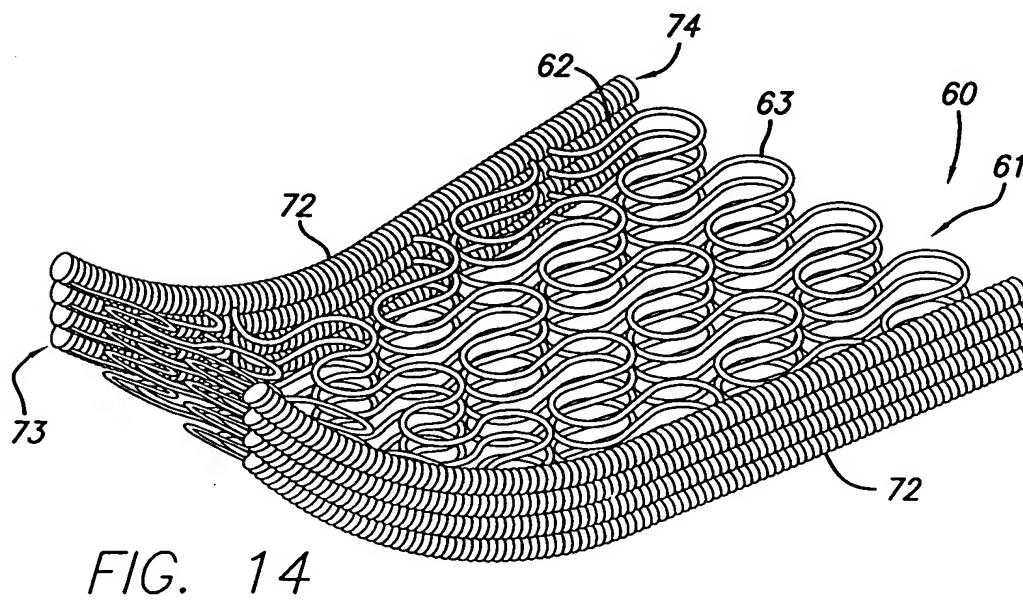
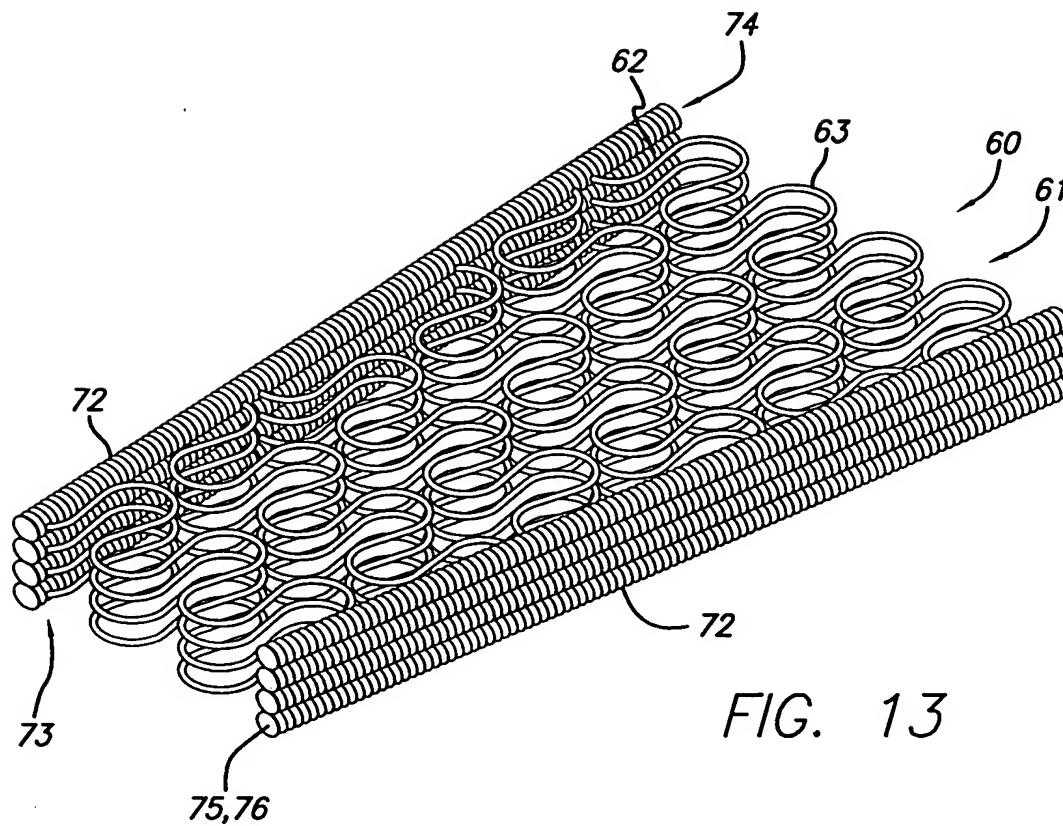


FIG. 12



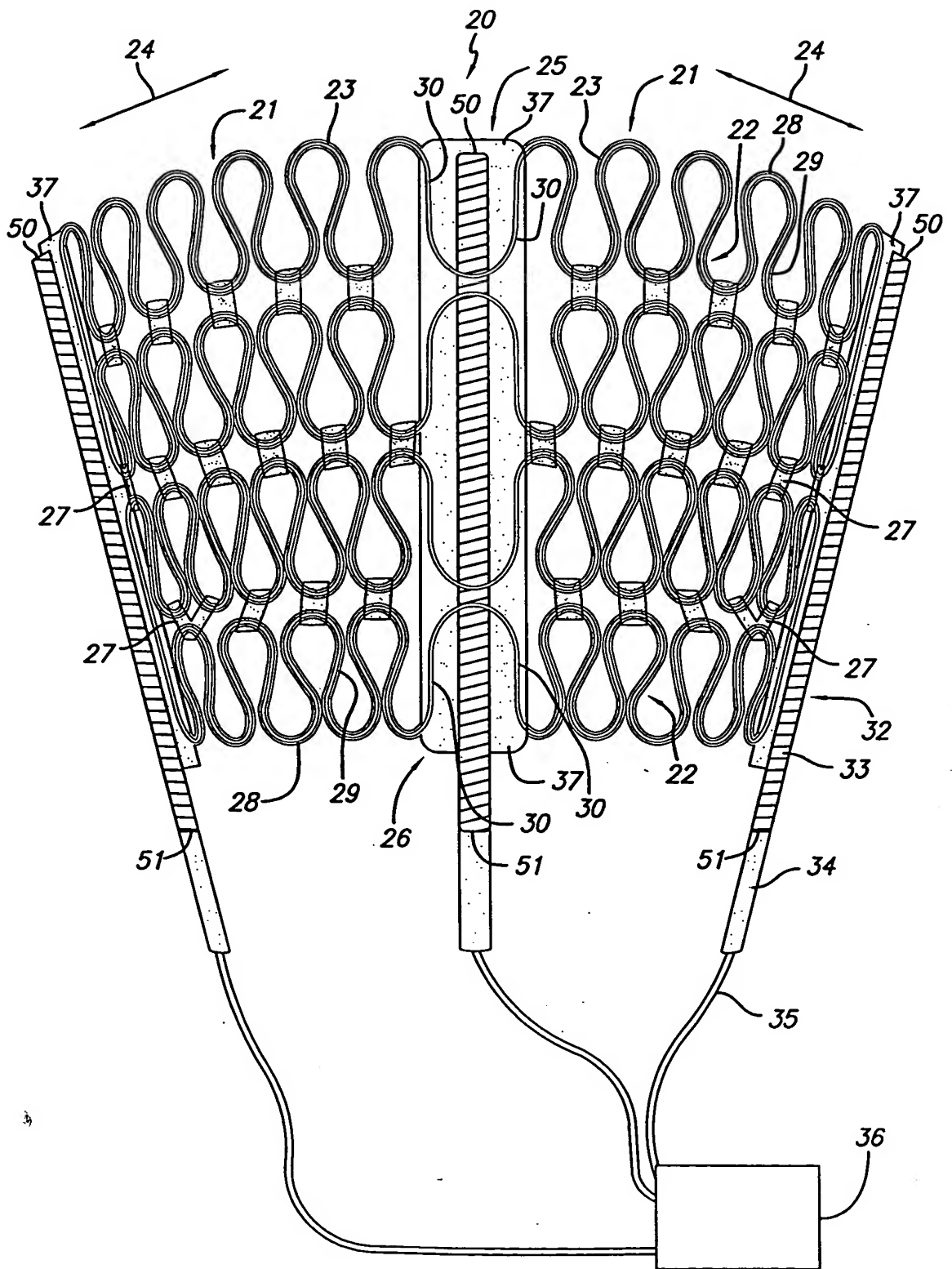
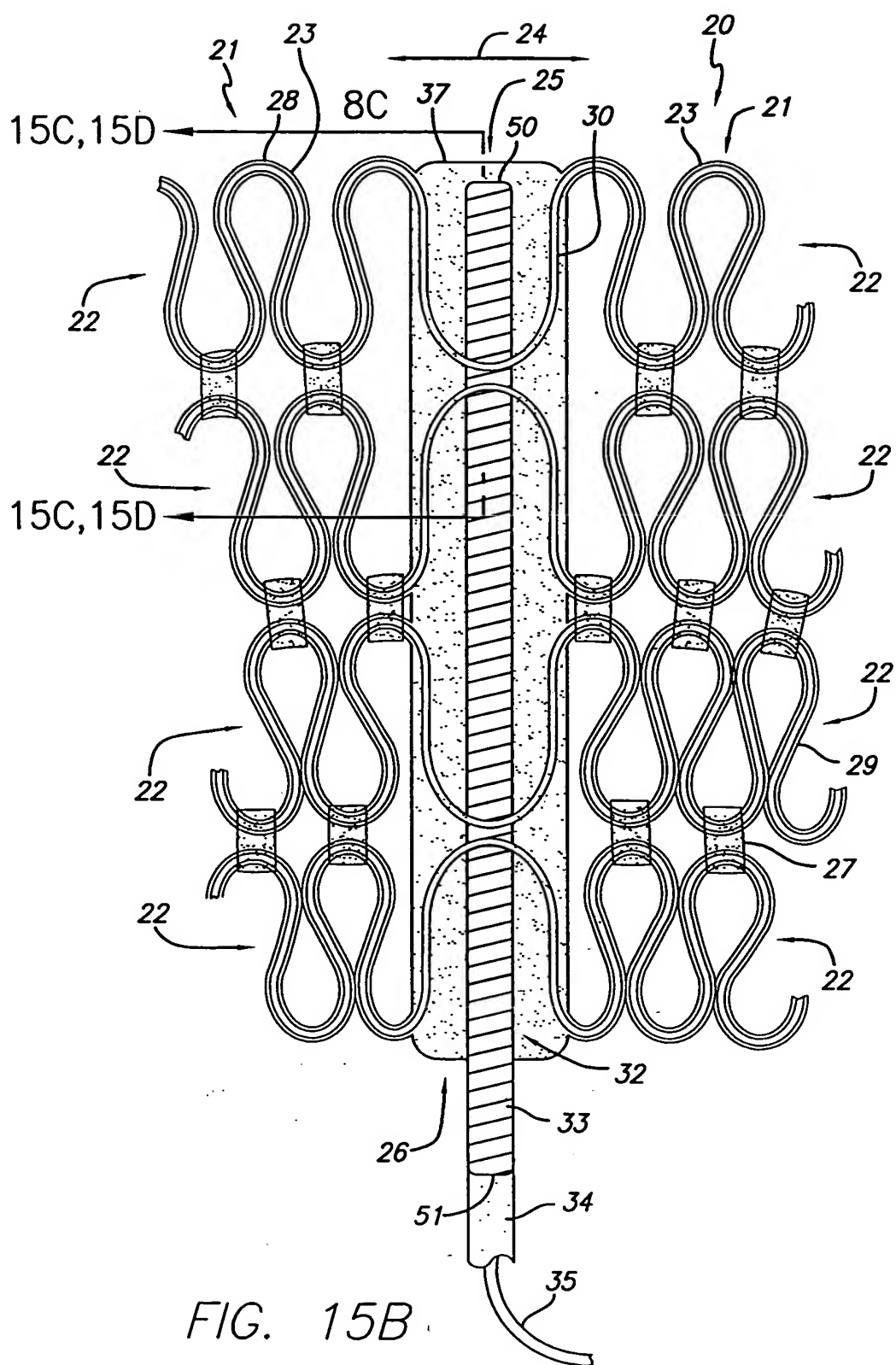


FIG. 15A



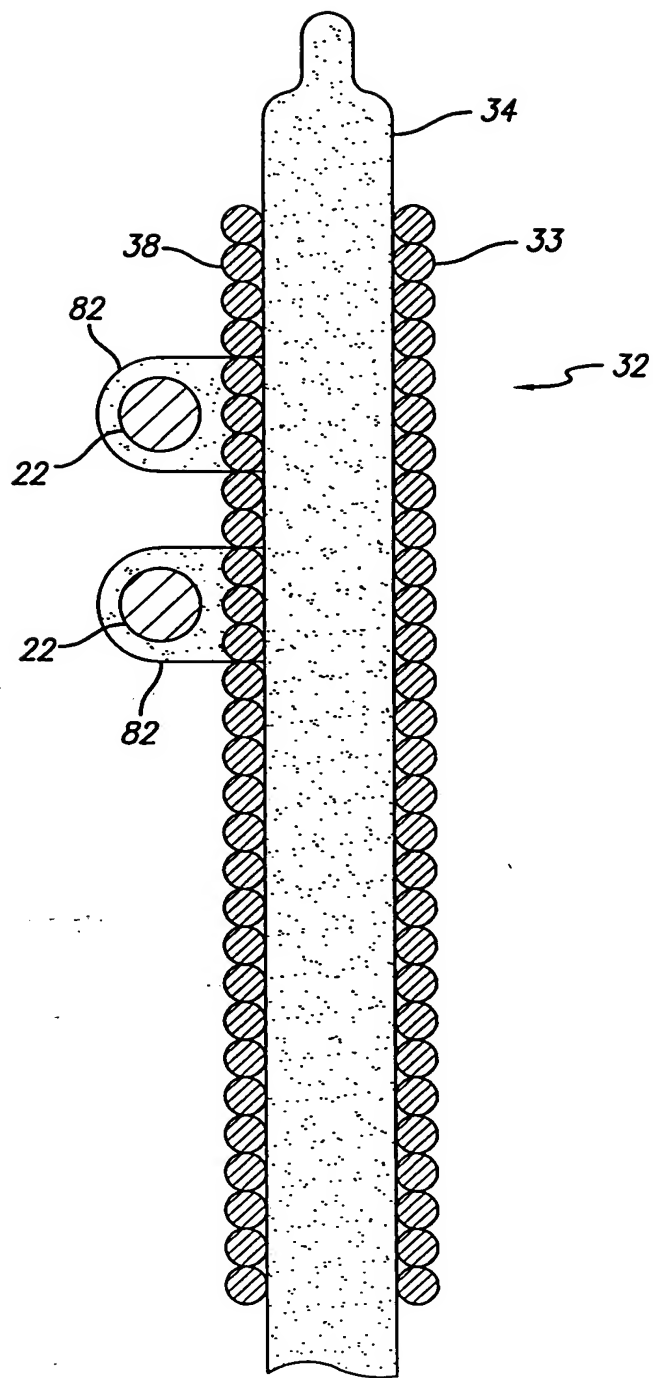


FIG. 15C



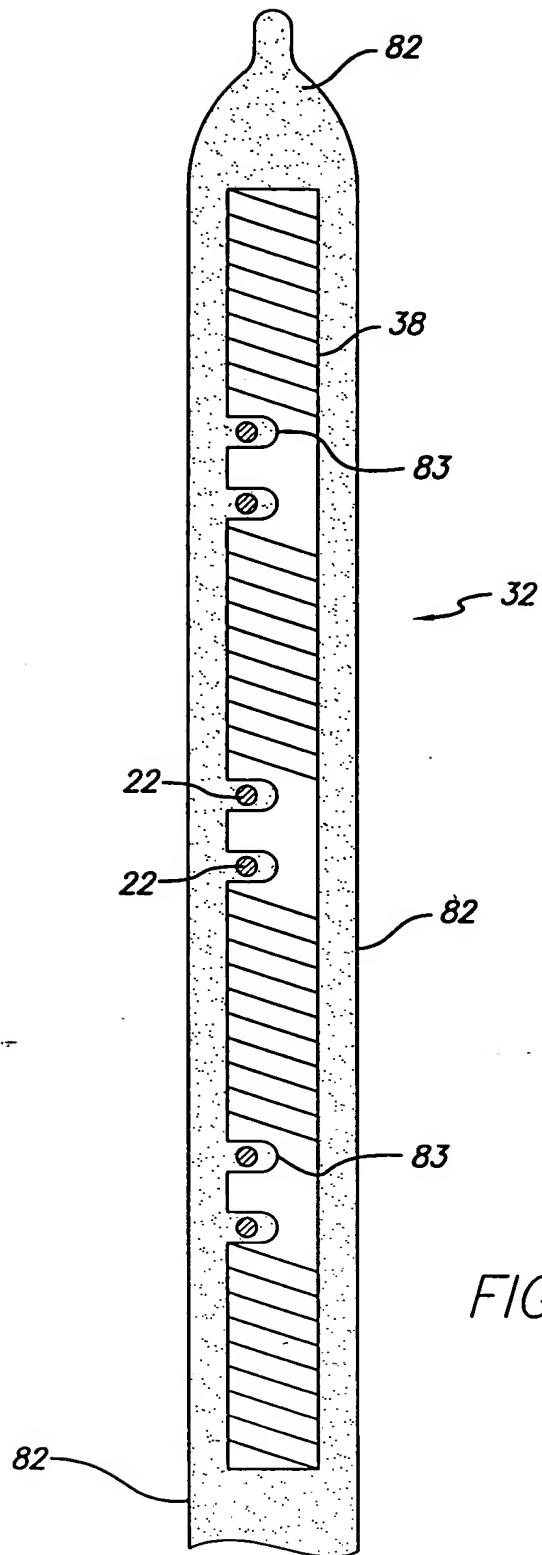


FIG. 15D

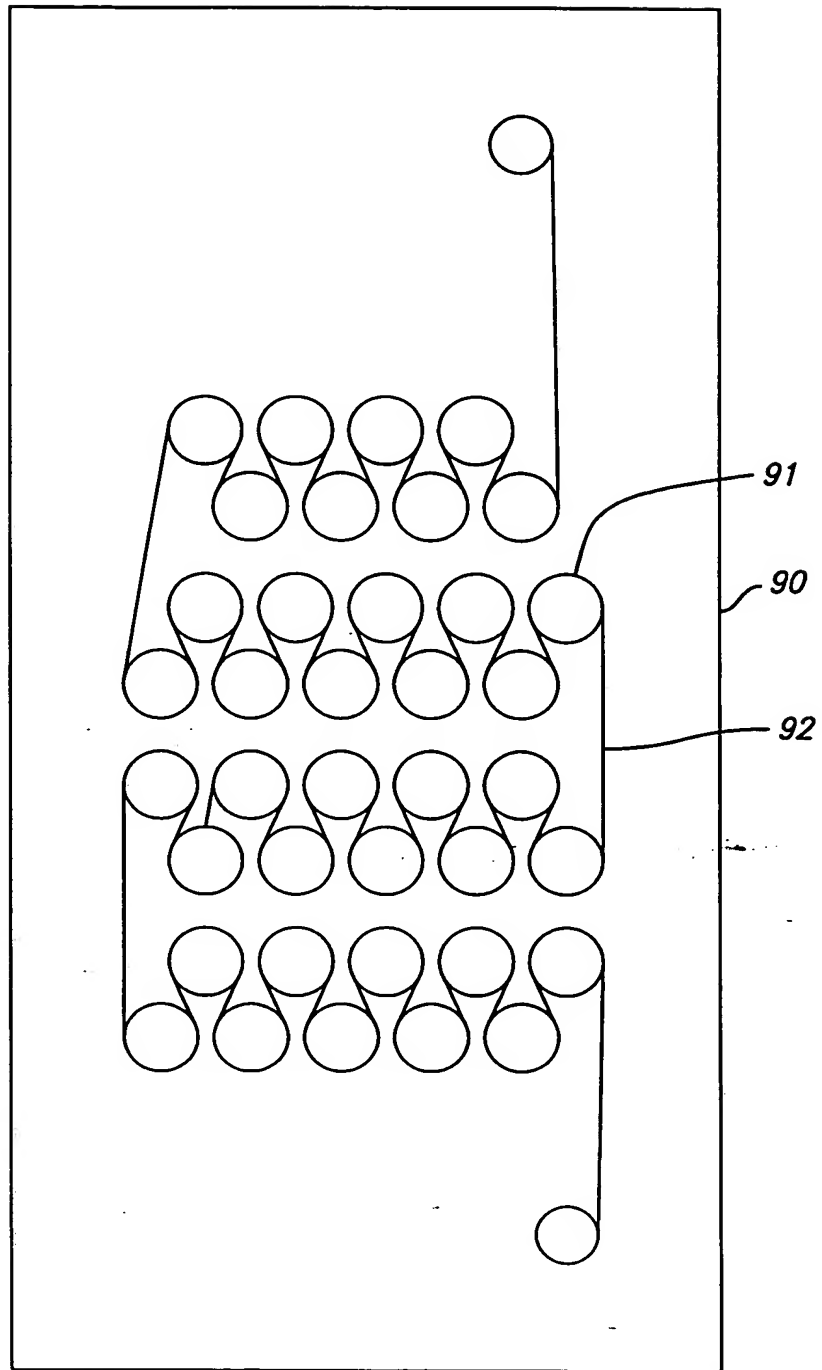


FIG. 16

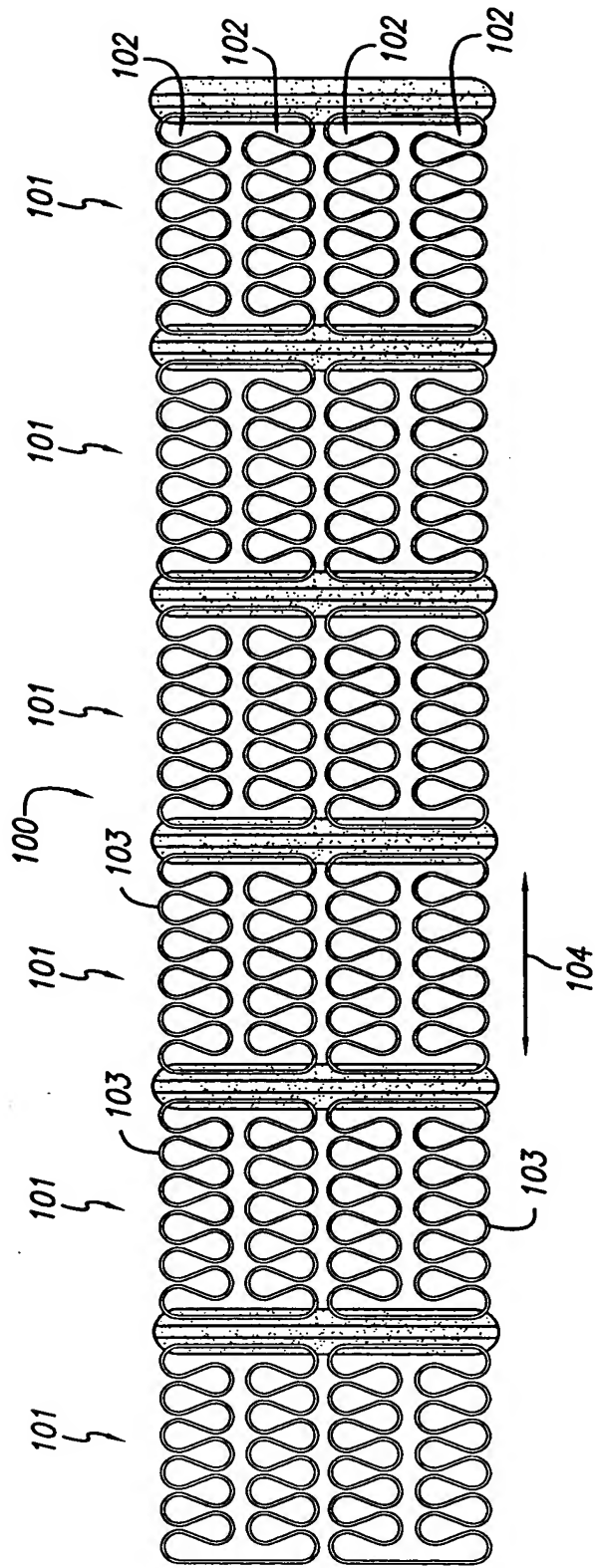


FIG. 17

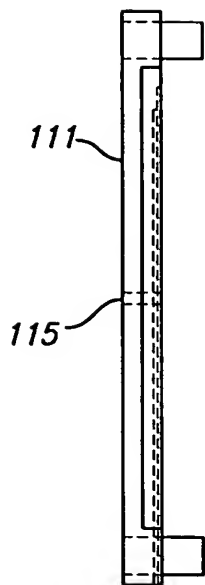


FIG. 18B

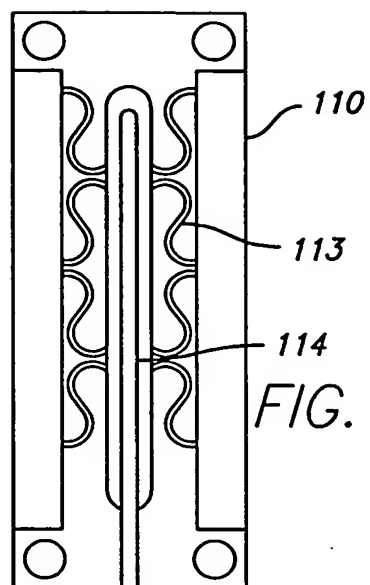


FIG. 18A

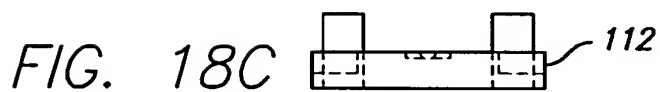


FIG. 18C

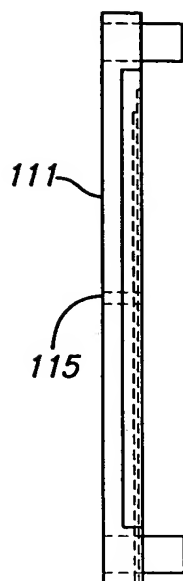


FIG. 19B

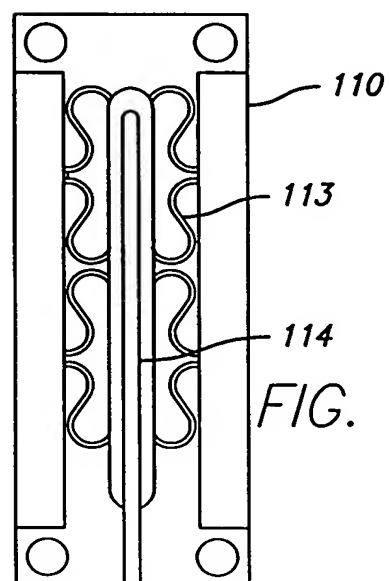


FIG. 19A

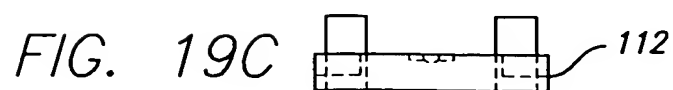


FIG. 19C

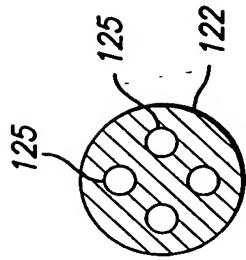


FIG. 22

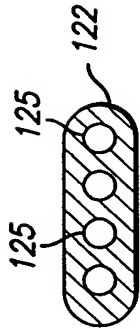


FIG. 23

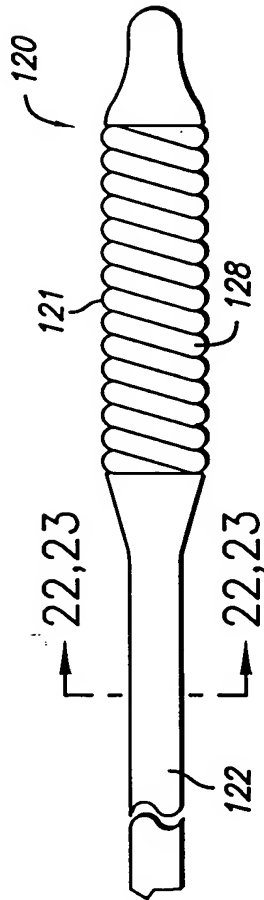


FIG. 20

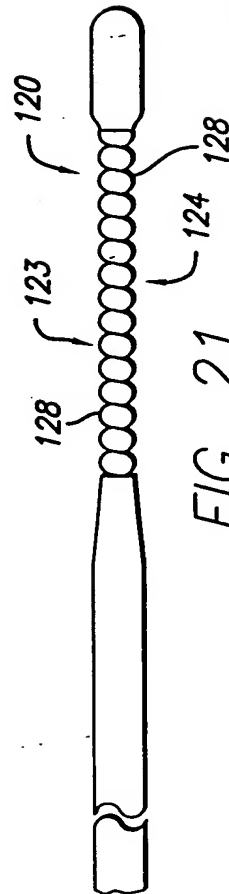


FIG. 21

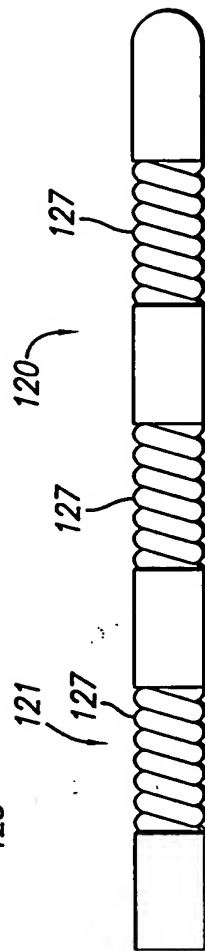


FIG. 24

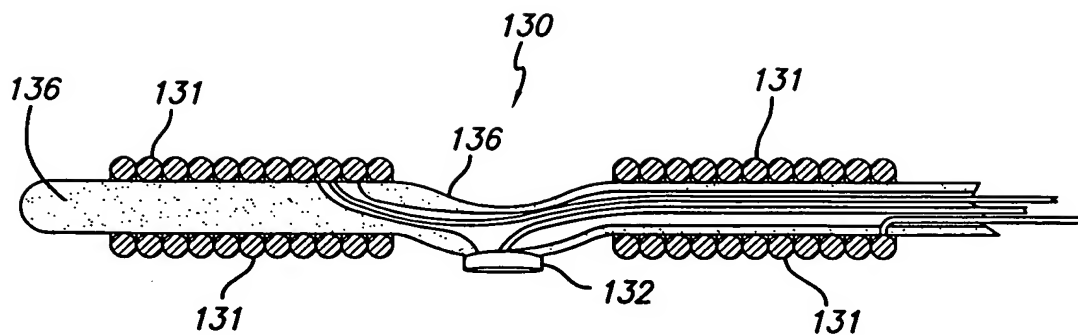


FIG. 25A

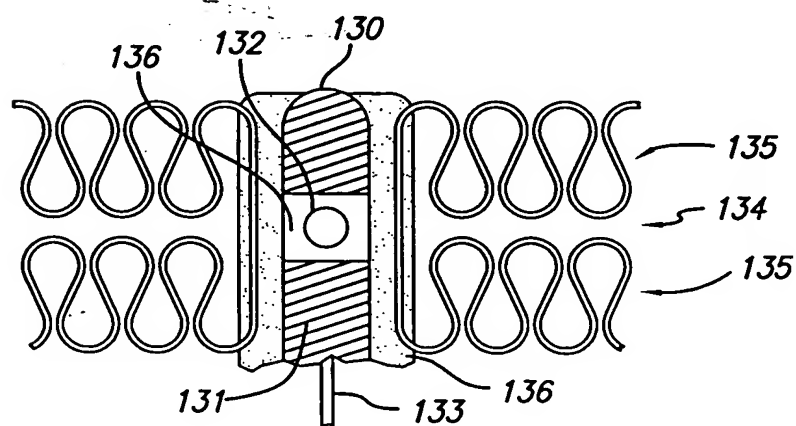


FIG. 25B

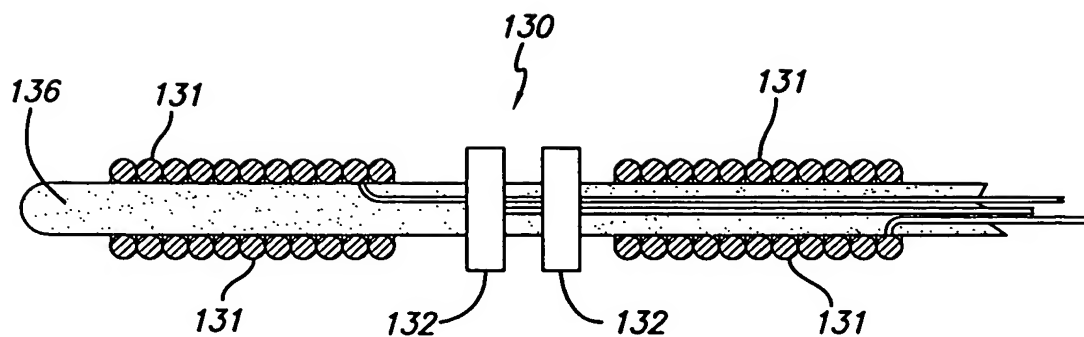


FIG. 26A

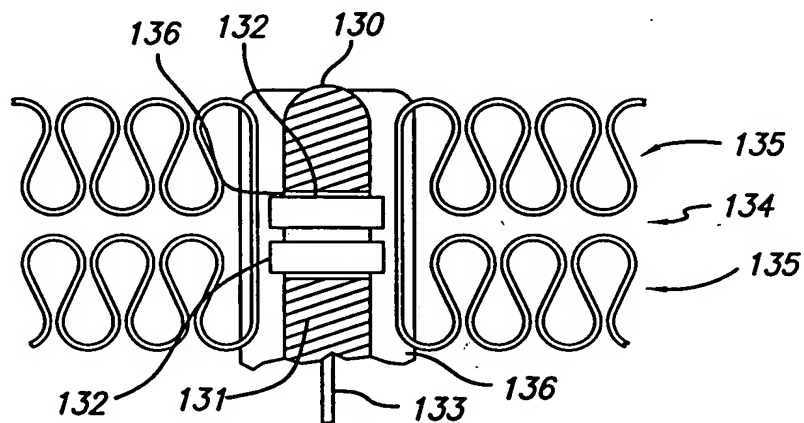


FIG. 26B

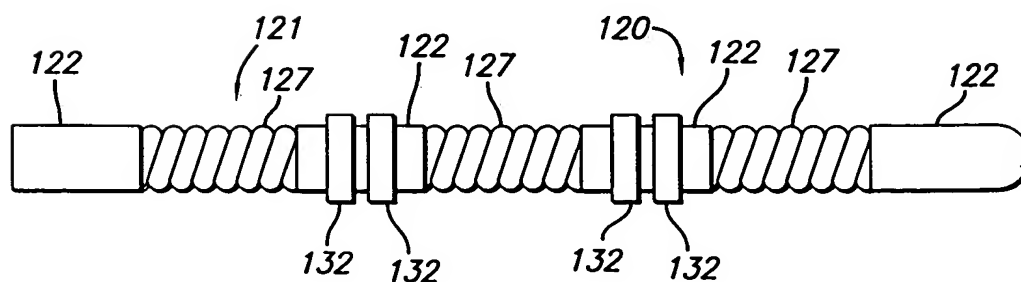


FIG. 26C

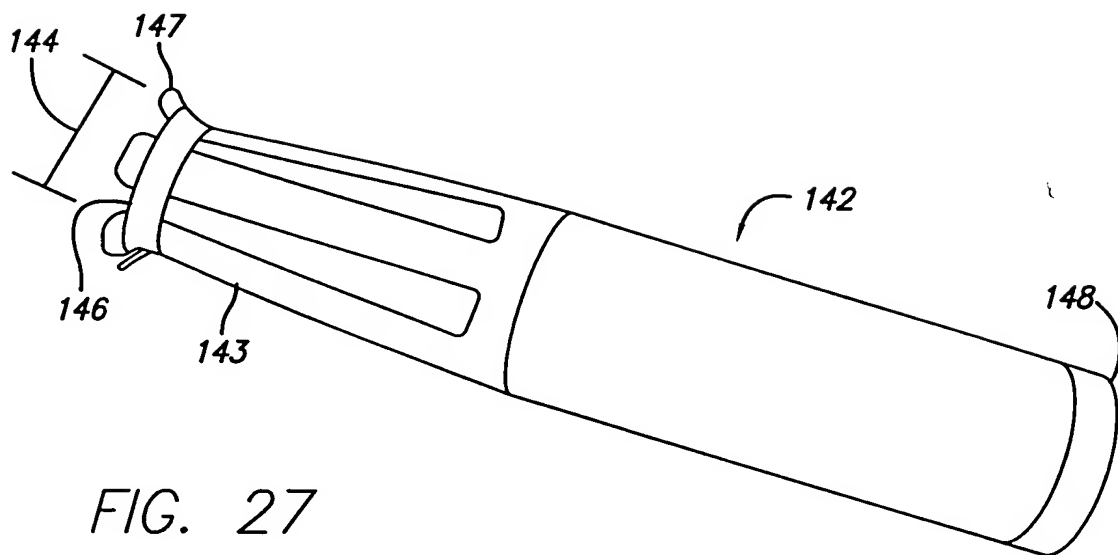


FIG. 27

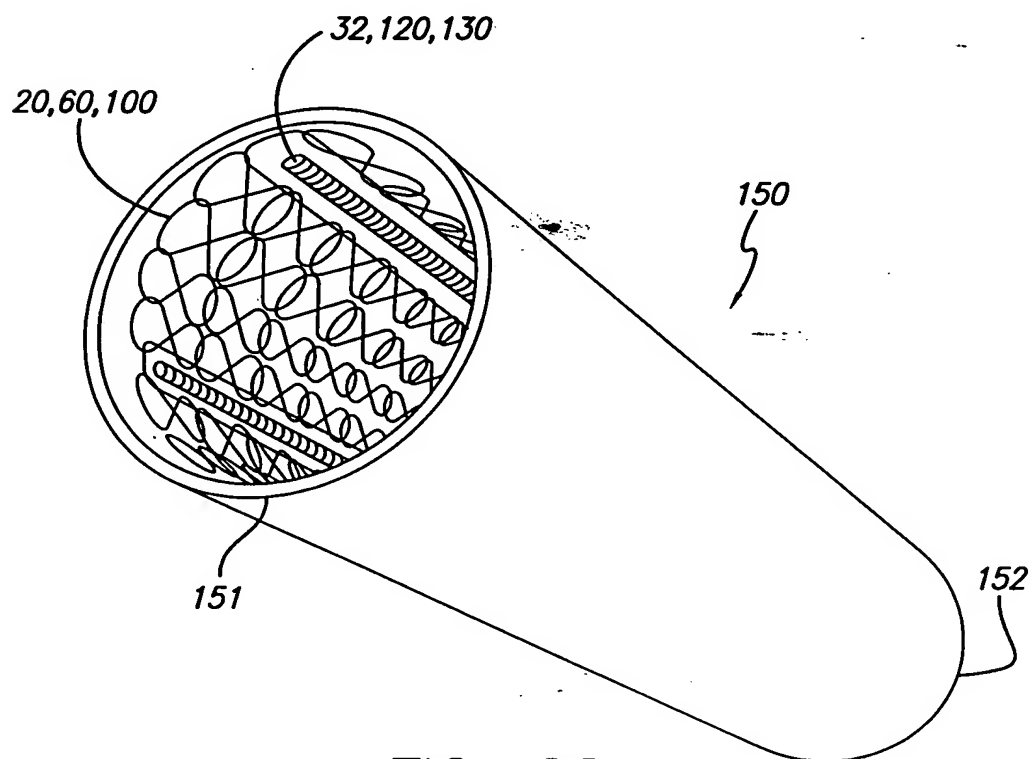


FIG. 28



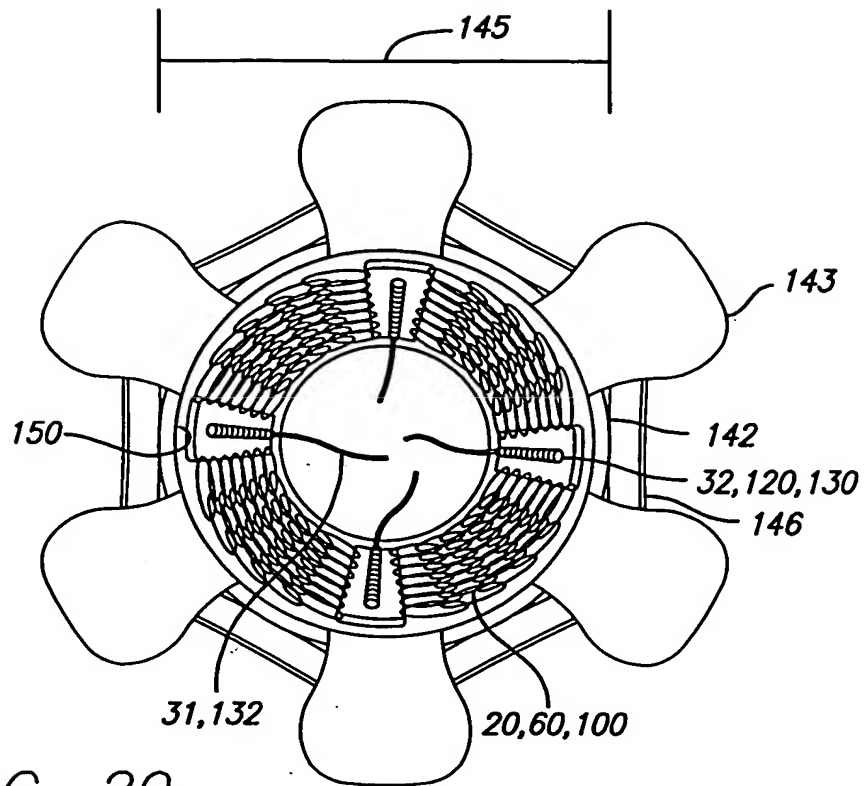


FIG. 29

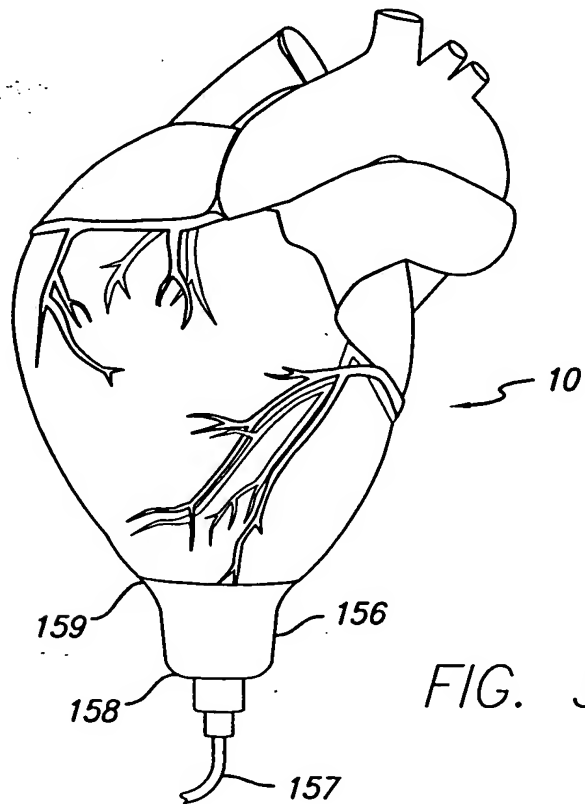


FIG. 31

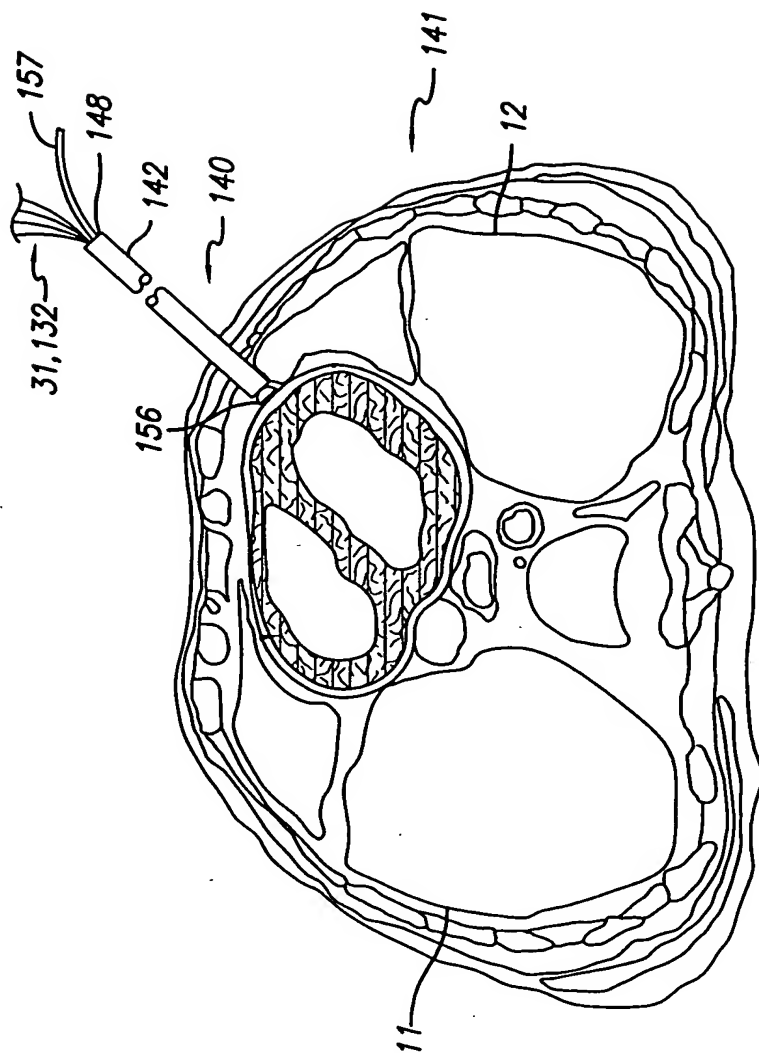


FIG. 30

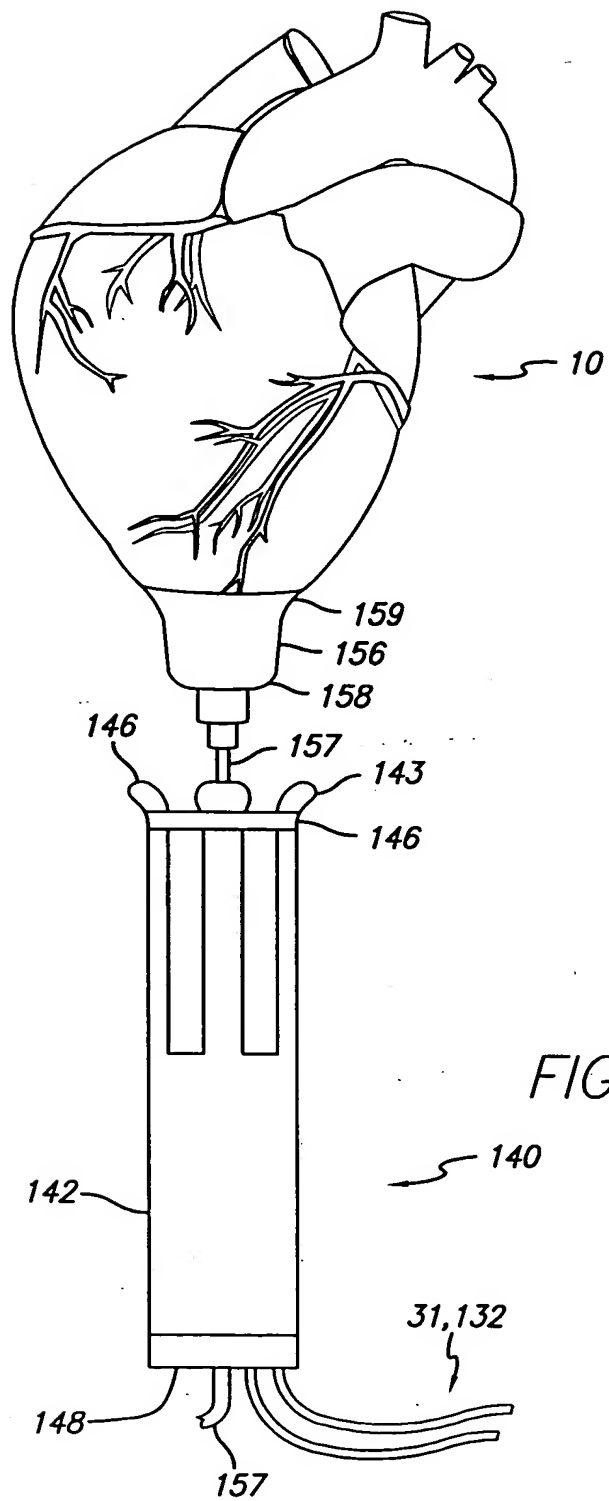


FIG. 32

140

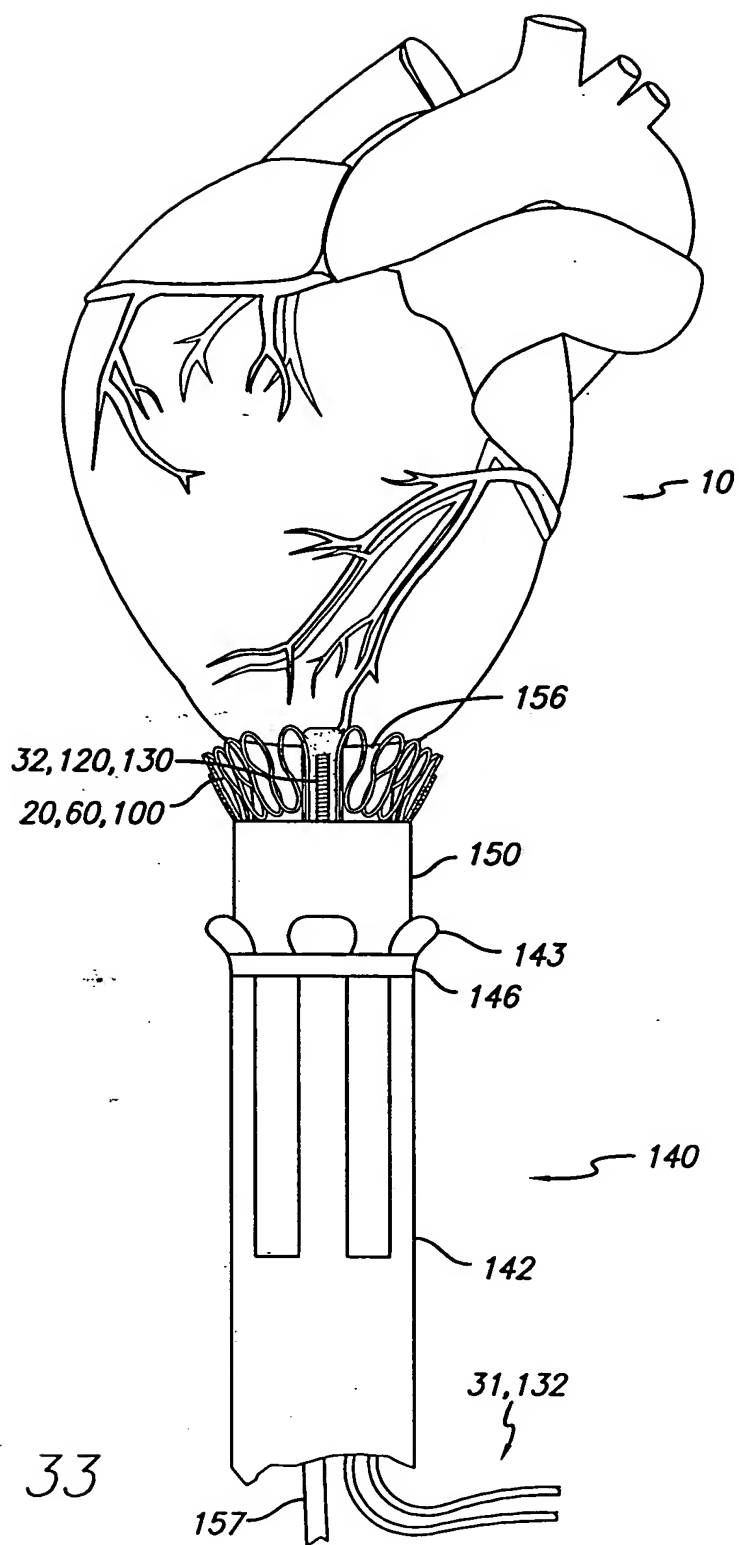


FIG. 33

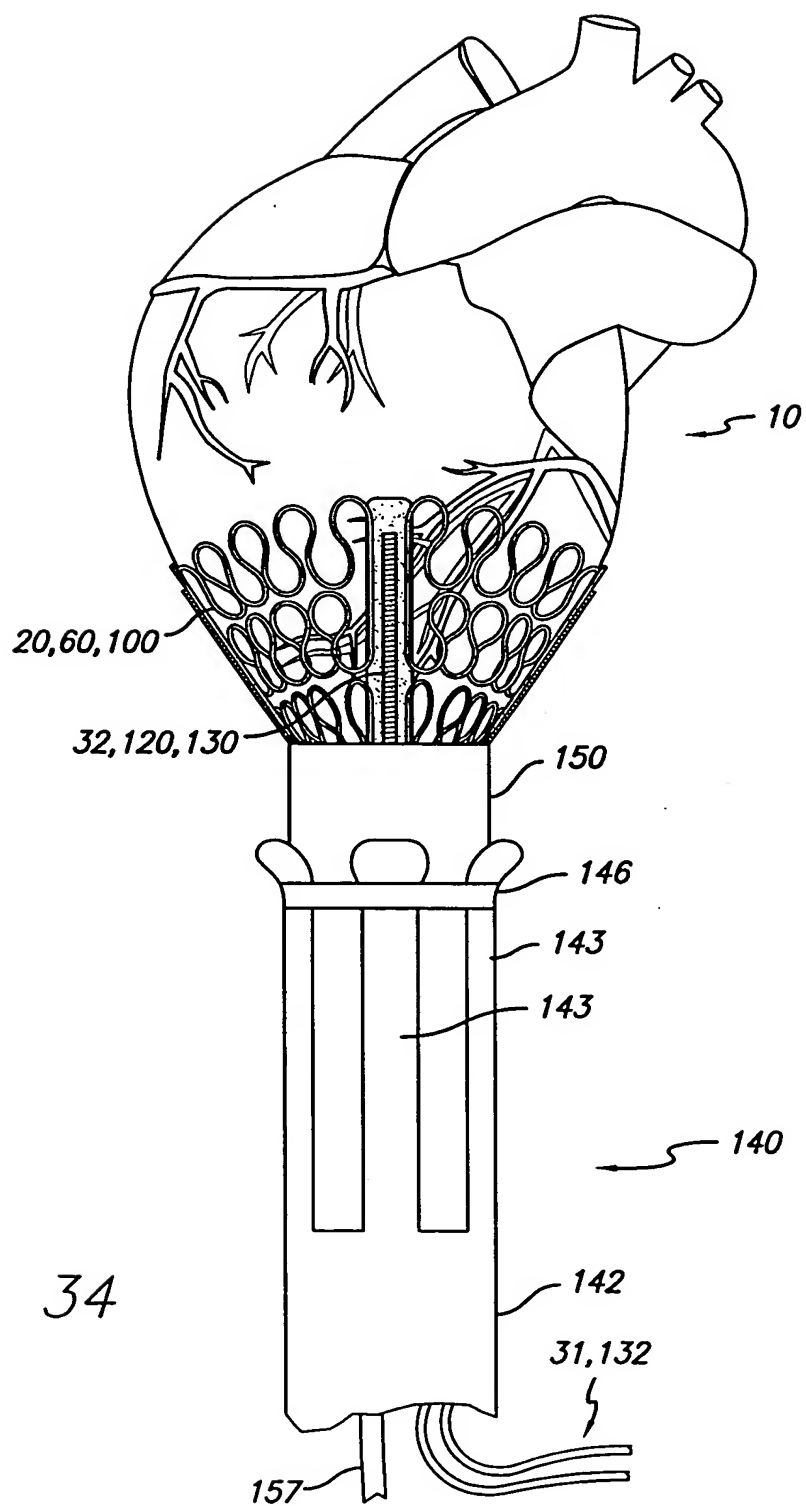


FIG. 34

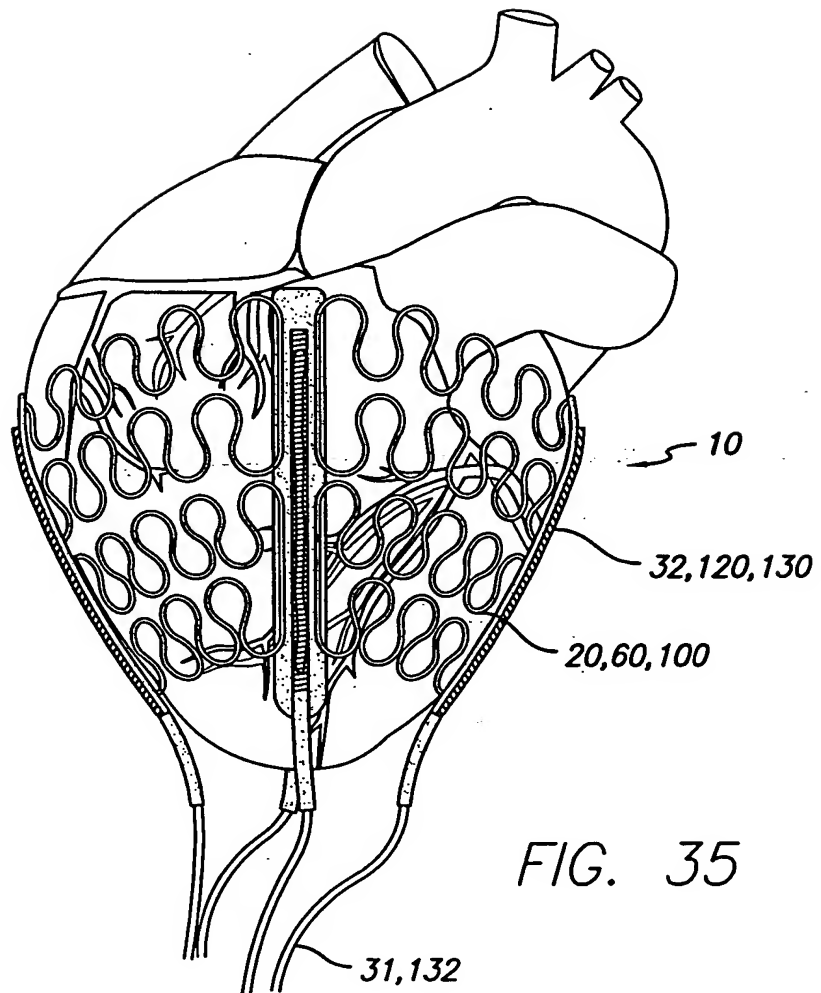


FIG. 35

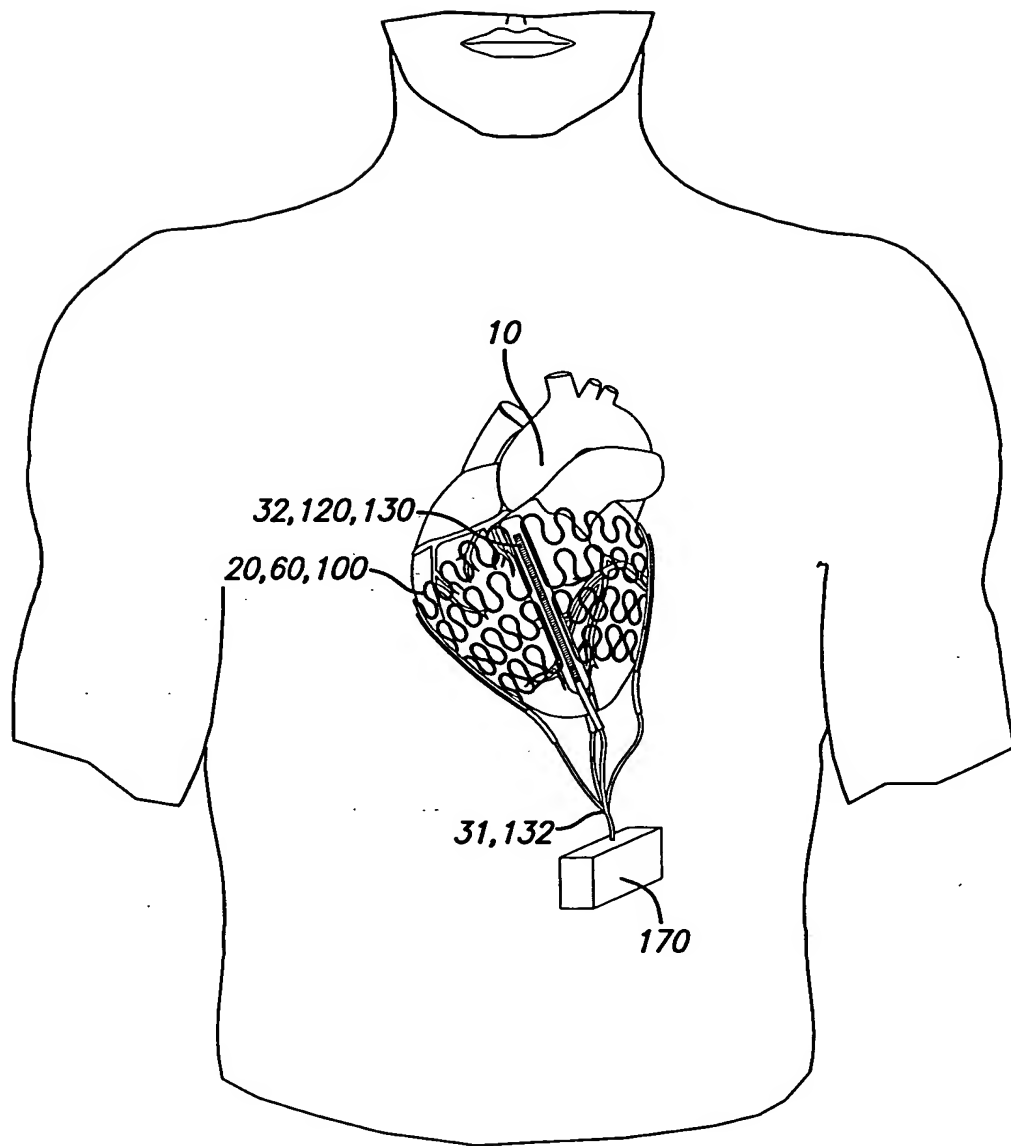


FIG. 36

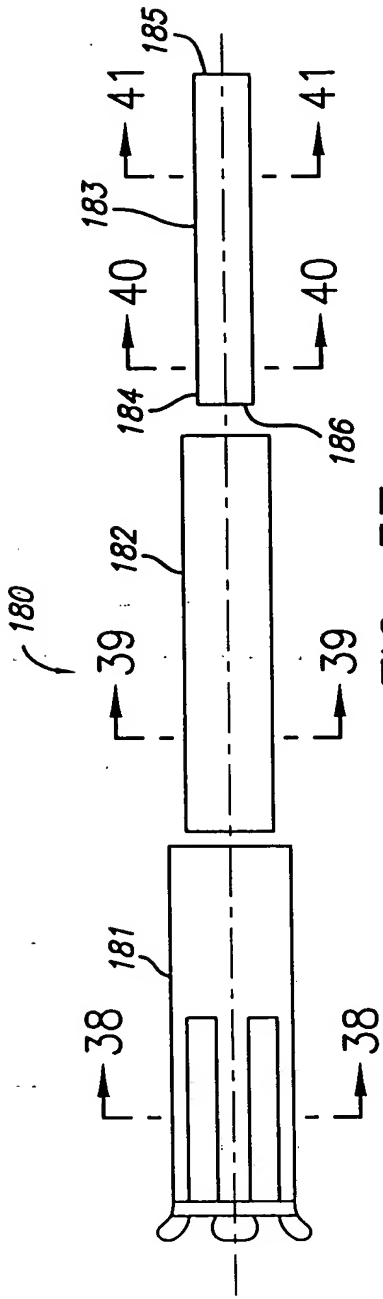


FIG. 37

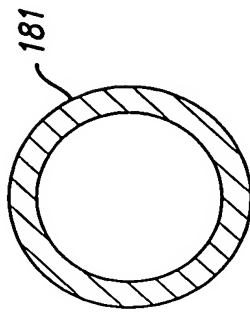


FIG. 38

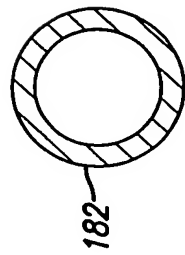


FIG. 39

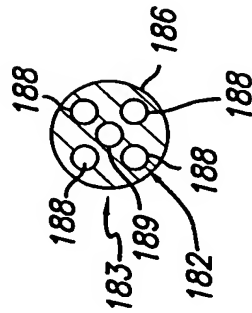


FIG. 40



FIG. 41

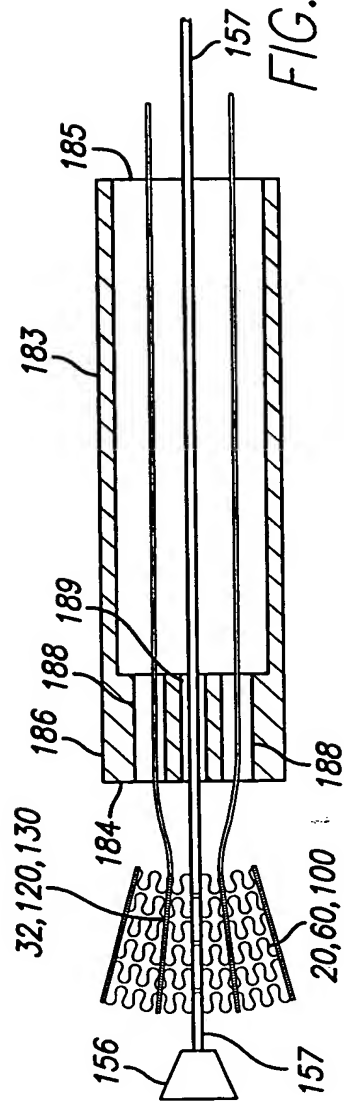


FIG. 42